

Listing of the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A gearbox, comprising:
 - a sealed housing for receiving a lubricant;
 - a first rotational shaft ~~provided in~~ extending through a shoulder of the housing;
 - a gear ~~drive~~ coupled to the rotational shaft below the shoulder to rotate the shaft;
 - a first bearing journaling the first rotational shaft at a distance above the gear

drive; and

at least one channel opening radially to and along a length of the shaft, the
channel provided in the shoulder housing and extending to the bearing, a ~~bottom~~ lower portion of
the channel being positioned above and adjacent the ~~gear drive shoulder~~ to receive lubricating
fluid rotated by the ~~gear drive~~;

wherein, as the gear rotates, rotating lubricants pass into the channel and are
~~carried by momentum~~ propelled to the first bearing for lubrication of the first bearing.

2. (Original) The gearbox as defined in claim 1, further comprising a recess provided at the bottom end of the channel, the recess being enlarged relative to the channel to capture rotating fluids.

3. (Currently Amended) The gearbox as defined in claim 1, wherein the
channel extends from an upper end of the gear to a lower end of the first bearing further

~~comprising a shoulder extending radially inward toward the rotational shaft from a wall of the housing.~~

4. (Currently Amended) The gearbox as defined in claim 1, wherein the distance between ~~the an~~ inner diameter of the shoulder and ~~an~~ the outer diameter of the rotational shaft is selected to be sufficiently small that the viscosity of the lubricant restricts the opening between the inner diameter of the shoulder and the outer diameter of the rotational shaft to provide a resistance to the flow of fluid.

5. (Currently Amended) The gearbox as defined in claim 1, further comprising a second bearing positioned on the first rotational shaft nearer the gear ~~drive~~ than the first bearing, the channel extending past the second bearing to the first bearing and opening radially to the second bearing.

6. (Currently Amended) The gearbox as defined in claim 1, further comprising a second rotational shaft provided in the housing, the second rotational shaft being positioned at an angle to the first rotational shaft and coupled to the rotational shaft through the gear ~~drive~~.

7. (Currently Amended) The gearbox as defined in claim 1, wherein the gearbox comprises a plurality of channels, each of the channels being spaced substantially equidistantly around a circumference of the housing surrounding the first rotational shaft.

8. (Original) The gearbox as defined in claim 6, wherein the housing comprises an upper section and a lower section, the upper section enclosing the first rotational shaft and the lower section enclosing the second rotational shaft.

9. (Original) The gearbox as defined in claim 8, wherein the upper section is a split case comprising a first and a second half.

10. (Currently Amended) A gearbox, comprising:

a sealed housing;

a substantially vertical shaft ~~provided in~~ extending through a shoulder of the housing;

an upper bearing and a lower bearing journaling the shaft;

a gear ~~drive~~ coupled to the shaft;

a lubricant provided in the housing for lubricating the gear ~~drive~~;

a shoulder positioned between the upper and lower bearings and having an ~~extending radially inward from an internal diameter of the housing toward the shaft, the internal diameter of the shoulder being selected such that the viscosity of the lubricant restricts an~~ opening between the shoulder and the input outer diameter of the shaft; and

a at least one channel opening radially to and along a length of the shaft, the channel provided in the housing shoulder and extending axially from the gear drive past the first lower bearing and the shoulder to the upper bearing;

wherein as the gear ~~drive~~ rotates, the rotation causes the lubricant to be ~~circulated~~ propelled through the channel to lubricate the upper bearing.

11. (Original) The gearbox as defined in claim 10, further comprising a second shaft provided in the housing, the second shaft being positioned at an angle of substantially ninety degrees to the substantially vertical shaft.

12. (Original) The gearbox as defined in claim 10, further comprising a plurality of channels.

13. (Currently Amended) The gearbox as defined in claim 10, wherein a recess having a diameter greater than a diameter of the channel is provided at an end of the at least one channel adjacent the gear train.

14. (Currently Amended) The gearbox as defined in claim 10, wherein the channel angles from a wide point adjacent the gear train to a narrow point adjacent the upper bearing.

15. (Original) The gearbox as defined in claim 10, wherein the housing comprises an upper portion and a lower portion.

16. (Original) The gearbox as defined in claim 15, wherein the channel is provided in the upper portion.

17. (Currently Amended) The gearbox as defined in claim 16, further comprising a plurality of channels wherein the upper portion includes a first half and a second half, each of the first and second halves including at least one of the plurality of channels a channel, a first half of a second of the plurality of channels, and a second half of a third of the plurality of channels.

18 - 20. (Cancelled)